

Amendments to the Claims

1. (Currently Amended) A suction head for a vacuum cleaner, comprising:
a casing having a suction port for sucking alien substances from the floor;
an agitator roll having an outer roller surface and two ends rotatably installed inside the suction port, a plurality of brushes being arranged on the agitator roll in the length direction; and
an agitator driving unit connected to the outer roller surface of the agitator roll located between, and separate from, the two ends for driving the agitator roll to perform reciprocating rotation in a predetermined angle range.

2. (Currently Amended) The suction head of claim 1, wherein the agitator driving unit comprises:
a driving motor for generating a rotational force; and
a driving force transmitting unit for transforming rotation of the driving motor into rotation of the agitator roll, so that the agitator roll can perform reciprocating rotation in the forward/backward direction in the predetermined angle range.

3. (Currently Amended) ~~The suction head of claim 2;~~ A suction head for a vacuum cleaner, comprising:
a casing having a suction port for sucking alien substances from the floor;
an agitator rotatably installed inside the suction port, a plurality of brushes being arranged on the agitator in the length direction; and
an agitator driving unit for driving the agitator to perform reciprocating rotation in a predetermined angle range;
wherein the agitator driving unit comprises:
a driving motor for generating a rotational force; and

a driving force transmitting unit for transforming rotation of the driving motor into rotation of the agitator, so that the agitator can perform reciprocating rotation in the forward/backward direction in the predetermined angle range; and

wherein the driving force transmitting unit comprises:

a rotary link fixed to a motor shaft of the driving motor and rotated coaxially to the motor shaft;

a hinge bracket fixed to one side of the outer circumference of the agitator; and

a connecting rod of which an end is hingedly connected to a position of the rotary link eccentric from the rotation center of the rotary link, and another end is hingedly connected to the hinge bracket.

4. (Original) The suction head of claim 3, wherein a first hinge hole is formed in the position of the rotary link eccentric from the rotation center of the rotary link;

a second hinge hole is formed on the hinge bracket; and

a first hinge shaft inserted into the first hinge hole of the rotary link is protruded from an end of the connecting rod, and a second hinge shaft inserted into the second hinge hole of the hinge bracket is protruded from another end of the connecting rod.

5. (Original) The suction head of claim 3, wherein a first hinge shaft is protruded from the position of the rotary link eccentric from the rotation center of the rotary link;

a second hinge shaft is protruded from the hinge bracket; and

a first hinge hole into which the first hinge shaft of the rotary link is inserted is formed in one end of the connecting rod, and a second hinge hole into which the second hinge shaft of the hinge bracket is inserted is formed in another end of the connecting rod.

6. (Currently Amended) The suction head of claim 1, wherein the brushes are evenly arranged at regular intervals in the length direction of the agitator roll.

7. (Currently Amended) The suction head of claim 1, wherein the brushes are arranged in rows in the length direction of the agitator roll.

8. (Original) The suction head of claim 1, further comprising a suction nozzle installed inside the casing, for collecting the alien substances sucked from the suction port, a volume of which being reduced from the suction port to the opposite side.